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NOTICE OF ALLOWANCE AND FEE(S) DUE

55694

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07/09/2009

DRINKER BIDDLE & REATH (DC) 1500 K STREET, N.W. SUITE 1100 WASHINGTON, DC 20005-1209

EXAMINER				
BRYANT, MICHAEL C				
ART UNIT	PAPER NUMBER			
2004				

DATE MAILED: 07/09/2009

APPLICATION NO.	APPLICATION NO. FILING DATE FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/561.917	03/23/2007	Nobuvuki Hirai	46124-5445	1471	

TITLE OF INVENTION: TIME-RESOLVED MEASUREMENT APPARATUS AND POSITION-SENSITIVE ELECTION MULTIPLIER TUBE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	10/09/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

ppropriate. All further adicated unless correcto aintenance fee notifica	correspondence including below or directed oth tions.	g the Patent, advance of terwise in Block 1, by (a	rders and notification a) specifying a new co	of m orresp	naintenance fees woondence address;	rill be and/or	mailed to the current (b) indicating a sepa	corresp rate "F	pondence address as EE ADDRESS" for
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WASHINGTON	N, DC 20005-1209								(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CON	FIRMATION NO.
10/561,917	03/23/2007	•	Nobuyuki Hirai				46124-5445		1471
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	OUE	PREV. PAID ISSUE	E FEE	TOTAL FEE(S) DUE		DATE DUE
nonprovisional	NO	\$1510	\$300		\$0		\$1810		10/09/2009
EXAM	IINER	ART UNIT	CLASS-SUBCLASS	;					
BRYANT, N	MICHAEL C	2884	250-2140VT						
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.						
PLEASE NOTE: Uni recordation as set fort (A) NAME OF ASSIG	less an assignee is identi h in 37 CFR 3.11. Comp GNEE	A TO BE PRINTED ON T ffied below, no assignee eletion of this form is NO	data will appear on the T a substitute for filing (B) RESIDENCE: (C)	he pa g an a CITY	tent. If an assignossignment. and STATE OR C	OUNT	RY)		
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his collection of inform	eation is required by 37 C	FR 1 311 The information	on is required to obtain) OF T	etain a benefit by t	ne publ	ic which is to file (and	by the	LISPTO to process)
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10/561,917	03/23/2007	Nobuyuki Hirai	46124-5445	1471	
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DRINKER BIDDLE & REATH (DC)		BRYANT, MICHAEL C			
1500 K STREET, I	N.W.		ART UNIT	PAPER NUMBER	
SUITE 1100 WASHINGTON, I	DC 20005-1209		2884 DATE MAILED: 07/09/200	9	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 287 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 287 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)		
	10/561,917	HIRAI ET AL.		
Notice of Allowability	Examiner	Art Unit		
	CASEY BRYANT	2884		
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIPORT OF THE	(OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is and MPEP 1308.	in this application. If not included nunication will be mailed in due coun	se. THIS	
	<u>5/26/2009</u> .			
2. ☑ The allowed claim(s) is/are <u>1-12</u> .				
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents 	be been received. been received in Applicati	on No	from the	
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. ☐ A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	IENT of this application. itted. Note the attached EX	(AMINER'S AMENDMENT or NOTIC		
<u> </u>	, , ,	or addianation to denote the		
 CORRECTED DRAWINGS (as "replacement sheets") mus (a) ☐ including changes required by the Notice of Draftspers 		ow (PTO-948) attached		
(a) ☐ including changes required by the Notice of Dranspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date	•	w (FTO-940) attached		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1	s Amendment / Comment o		k) of	
each sheet. Replacement sheet(s) should be labeled as such in t			.,	
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 			the	
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08),	6.	nformal Patent Application Summary (PTO-413), ./Mail Date s Amendment/Comment		
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's	s Statement of Reasons for Allowan 	ce	

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DETAILED ACTION

Status of Claims

1. Applicant's reply, filed 5/29/2009, has been received and entered.

Claims 1 and 6 have been amended.

No claims have been cancelled.

New claims 11 and 12 have been added.

Thus, claims 1-12 remain currently pending in this application.

Priority

2. The Applicant's claim to foreign priority under 35 USC § 119(a)-(d) or (f), or 365(b) of Japanese Application 2003-181546 is recognized and has been placed in the file folder.

Response to Arguments

3. Applicant's arguments, see pages 2-3 of the REMARKS, filed 5/28/2009, with respect to claims 1 and 6 have been fully considered and, in view of the newly added amendments, are persuasive. The rejection of claims 1-10 have been withdrawn.

Allowable Subject Matter

- 4. Claims 1-12 are allowed.
- 5. The following is an examiner's statement of reasons for allowance:

Regarding claims 1 and 6, the closest prior art, Kash (US 5,940,545) discloses a system comprising a signal generator, a detector, a position calculator, a time difference measuring device, and a data processor. Furthermore, Suzuki et al. (JP 7-211280), discloses a detector having a position-sensitive electron multiplier tube (EMT) comprising an entrance window, a plurality of micro-channel plates (MCP), an

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anode, and a pulse reading circuit. However, the prior art fails to disclose or suggest, in combination with the other claimed elements, a system for time-resolved measuring comprising a electron multiplier tube with a plurality of MCP, wherein the pulse reading circuit is only connected to the output face of the first micro-channel plate, located opposite the entrance window. The balance of claims are allowed based on dependence from claims 1 and 6.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to CASEY BRYANT whose telephone number is (571)270-1282. The examiner can normally be reached on Monday - Friday, 8am - 5pm, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dave Porta can be reached on (571)272-2444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 2884

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Constantine Hannaher/
Primary Examiner, Art Unit 2884

Casey Bryant Examiner